

Display results

Search6: "(PN=(jp63042691))" 1-2 of 2

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2) Family number: 9084493 (JP62020827 A2)

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Title: MANUFACTURE OF STAINLESS STEEL WIRE FOR SCREW

Priority: JP19850157755 19850717
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Family:	Publication number	Publication date	Application number	Application date	Link
family explorer	JP1596460 C3	19901227	JP19850157755	19850717	
	JP62020827 A2	19870129	JP19850157755	19850717	
	JP63042691 B4	19880825	JP19850157755	19850717	

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International class (IPC 1-7): C21D8/06 C21D9/52

European class: C21D9/52B

Abstract:

Source: JP62020827A2 PURPOSE: To improve the upsettability of a steel wire and the wear characteristics of a tool and to reduce the cost of manufacture by drawing a stainless steel material for a screw having a specified C+N content and by subjecting the resulting wire to finish annealing under specified conditions. CONSTITUTION: An austenitic stainless steel material for cold rolling having 0.01W0.045% C+N content is drawn to a prescribed diameter. The resulting wire is subjected to a finish annealing under conditions which give 18,000W39,000 parameter P represented by a formula $P=T(\log t+20)$ [where T is the annealing temp. (°K) and (t) is the annealing time (sec)]. The wire may be further worked at 2W15% reduction of area as necessary. By this method, a stainless steel wire for a screw having 53W58kg/mm² tensile strength is obt'd. by carrying out annealing once.

試料	鋼種	規格	寸法	引張強さ	伸び	引張功率	引張速度	引張機	引張位置	引張温度	引張時間	引張回数	引張条件
1	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
2	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
3	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
4	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
5	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
6	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
7	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
8	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
9	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000
10	SUS304	φ1.2	200	55	20	1.5	10	1	1	1000	10	1	1000

図 1 引張試験結果 (σ)

引張試験結果を示すグラフ。縦軸は引張強さ (σ) を示し、横軸は引張伸びを示す。複数の引張試験結果の曲線が描かれており、引張強さと引張伸びの関係を視覚的に示している。

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